

# Recombinant human Interleukin-36 receptor antagonist protein

Catalog No: #AP71534

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Package Size: #AP71534-1 20ug #AP71534-2 100ug #AP71534-3 1mg

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## Description

Product Name	Recombinant human Interleukin-36 receptor antagonist protein
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-155aaSequence Info:Full Length
Other Names	FIL1 deltaIL-1-related protein 3 ;IL-1RP3Interleukin-1 HY1 ;IL-1HY1Interleukin-1 delta ;IL-1 deltaInterleukin-1 family member 5 ;IL-1F5Interleukin-1 receptor antagonist homolog 1 ;IL-1ra homolog 1Interleukin-1-like protein 1 ;IL-1L1
Accession No.	Q9UBH0
Uniprot	Q9UBH0
GeneID	26525;
Calculated MW	33 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	MVLSGALCFRMKDSALKVLYLHNNQLLAGGLHAGKVIKGEIEISVVPNRWLDASLSPVILGVQGGSQCLSCGVG QEPTLTLEPVNIMELYLGAKESKSFTFYRRDMGLTSSFESAAYPGWFLCTVPEADQPVRLTQLPENGGWNAPI TDFYFQQCD
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.  Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

## Background

Inhibits the activity of interleukin-36 (IL36A,IL36B and IL36G) by binding to receptor IL1RL2 and preventing its association with the coreceptor IL1RAP for signaling. Part of the IL-36 signaling syst that is thought to be present in epithelial barriers and to take part in local inflammatory response; similar to the IL-1 syst with which it shares the coreceptor. Proposed to play a role in skin inflammation. May be involved in the innate immune response to fungal pathogens, such as *Aspergillus fumigatus*. May activate an anti-inflammatory signaling pathway by recruiting SIGIRR.

## References

Four new members expand the IL-1 superfamily.Smith D.E., Renshaw B.R., Ketchem R.R., Kubin M., Garka K.E., Sims J.E.J. Biol. Chem. 275:1169-1175(2000)Research Topic:Immunology

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Note: This product is for in vitro research use only